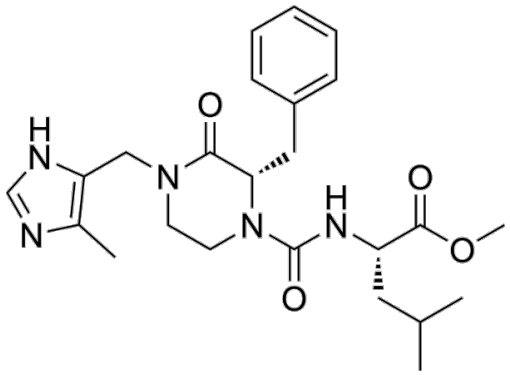
Product Data Sheet

Product Name: GGTI-2417
Cat. No.: GC73980

Chemical Properties

Cas. No.	501010-05-5		
Formula	$C_{24}H_{33}N_5O_4$	M.Wt	455.55
Solubility	Methanol : 125 mg/mL (274.39 mM; Need ultrasonic); DMSO : 100 mg/mL (219.51 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

GGTI-2417 is a potent and selective inhibitor of GGTase I. GGTI-2417 inhibits the Cdk2-mediated phosphorylation of $p27^{Kip1}$ at Thr187 and accumulates $p27^{Kip1}$ in the nucleus. GGTI-2417 also induces breast cancer cell apoptosis[1].

Caution: Product has not been fully validated for medical applications. For research use only.
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Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. Kazi A, et al. Blockade of protein geranylgeranylation inhibits Cdk2-dependent p27Kip1 phosphorylation on Thr187 and accumulates p27Kip1 in the nucleus: implications for breast cancer therapy. Mol Cell Biol. 2009 Apr;29(8):2254-63.

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